

Converting Colors

XYZ(13.6840, 16.6369, 21.5101)

Have a look what the booklet for
XYZ(13.6840, 16.6369, 21.5101)
contains.

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Color

**XYZ(13.6628, 16.5937,
21.5516)**

Conversions

Conversions Part 1

Format	Color
Hex	50787C
RGB	80, 120, 124
RGB Percent	31%, 47%, 49%
CMY	0.6863, 0.5294, 0.5137
CMYK	0.35, 0.03, 0.00, 0.51
HSL	185°, 22%, 40%
HSV	185°, 35%, 49%
XYZ	13.6628, 16.5937, 21.5516
YIQ	108.4960, -25.1240, -7.2360

Conversions

Conversions Part 2

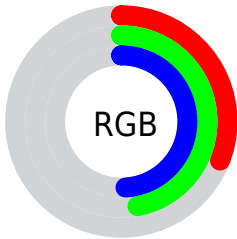
Format	Color
R_{YB}	80, 101, 124
Decimal	5273724
CIE _{Lab}	47.74, -12.84, -6.65
CIE _{LCh}	48, 14.459, 207.396
Yxy	16.5937, 0.2637, 0.3203
Android (android.graphics.Color)	4283463804 (0xFF50787C)
YUV	108.4960, 7.6435, -24.9910
Hunter-Lab	40.7354, -11.4173, -2.8534

Details

The XYZ color **13.6628, 16.5937, 21.5516** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **12.9306, 11.2049, 9.0709**, and the grayscale version is **14.3779, 15.1267, 16.4729**.

A 20% lighter version of the original color is **31.9491, 37.4649, 46.6219**, and **4.0883, 5.3058, 7.4653** is the 20% darker color. If you saturate the color by 10%, you get **12.5764, 15.8340, 21.4625**, and if you desaturate by 10%, it is **14.9451, 17.4575, 21.6510**.

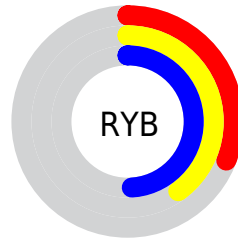
Distribution



Red (31%)

Green (47%)

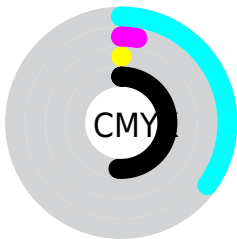
Blue (49%)



Red (31%)

Yellow (40%)

Blue (49%)

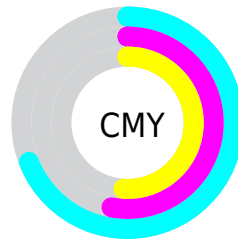


Cyan (35%)

Magenta (3%)

Yellow (0%)

Black (51%)



Cyan (69%)

Magenta (53%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6628, 16.5937, 21.5516 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 13.6628, 16.5937, 21.5516 by changing the saturation by 10% instead.

■ 13.6628, 16.5937,
21.5516

■ 13.6628, 16.5937,
21.5516

208.6758,
232.8200, 273.0723

■ 7.9666, 9.9452,
13.3326

■ 32.0808, 37.6259,
46.8964

■ 4.1252, 5.3627,
7.5246

■ 45.5333, 52.7784,
64.8593

■ 1.7732, 2.4616,
3.7089

■ 62.3021, 71.5343,
86.9073

■ 0.5015, 0.8573,
1.4670

■ 82.7523, 94.2782,
113.4589

■ 0.0000, 0.0000,
0.1932

■ 107.2495,
121.3942, 144.9327

■ 0.0000, 0.0000,
0.0000

136.1588,

153.2670, 181.7471

169.8458,
190.2808, 224.3208

■ 13.6628, 16.5937,
21.5516

■ 13.6628, 16.5937,
21.5516

■ 12.5764, 15.8340,
21.4625

■ 14.9451, 17.4575,
21.6510

■ 11.6736, 15.1710,
21.3821

■ 16.4316, 18.4286,
21.7601

■ 10.9434, 14.5993,
21.3102

■ 18.1319, 19.5123,
21.8797

■ 10.3727, 14.1121,
21.2463

■ 20.0548, 20.7131,
22.0101

■ 9.9466, 13.7018,
21.1896

■ 22.2082, 22.0351,
22.1518

■ 9.6404, 13.3557,
21.1389

■ 24.6000, 23.4825,
22.3051

■ 9.5135, 13.2060,
21.1167

■ 27.2375, 25.0589,
22.4704

■ 30.1277, 26.7680,
22.6479

■ 33.2775, 28.6134,
22.8381

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.4129, 16.5937, 17.7457



13.6628, 16.5937, 21.5516



14.4678, 16.5937, 24.7654

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13.6628, 16.5937, 21.5516



17.9637, 16.5937, 22.1890



15.8852, 16.5937, 11.8393

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



13.6628, 16.5937, 21.5516



12.9306, 11.2049, 9.0709

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.1519, 16.5937, 12.7016



13.6628, 16.5937, 21.5516



18.3922, 16.5937, 18.3937

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



13.6628, 16.5937, 21.5516



16.9455, 16.5937, 25.1673



18.0874, 16.5937, 14.9811



14.6536, 16.5937, 12.4472

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



13.6628, 16.5937, 21.5516



15.2347, 16.5937, 25.9586



18.0874, 16.5937, 14.9811



16.3214, 16.5937, 11.9638

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



13.6633, 16.5944, 21.5520



30.1319, 33.2101, 38.3787



12.1034, 16.7560, 10.9157



7.0212, 7.7733, 9.0334



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



13.6633, 16.5944, 21.5520



22.3903, 28.0486, 37.7904



11.3455, 11.9588, 20.7794



4.0774, 4.4532, 5.0878



9.6703, 13.4230, 21.4665



45.8027, 63.3780, 102.2889

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14.5714, 11.3788, 19.1985



24.2814, 17.4664, 32.8264



14.8802, 15.1041, 9.7207



4.1395, 4.0715, 4.9325



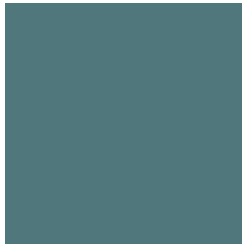
11.4644, 5.5619, 16.2685



54.5222, 26.4652, 76.7372

Previews

White Background



This preview shows how the XYZ color 13.6628, 16.5937, 21.5516 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.6628, 16.5937, 21.5516 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

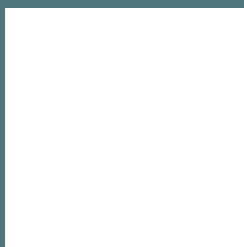
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.6628, 16.5937, 21.5516

Background



This preview shows how black text looks on a background with the XYZ color 13.6628, 16.5937, 21.5516.



This preview shows how white text looks on a background with the XYZ color 13.6628, 16.5937,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

13.6628, 16.5937, 21.5516

Protanopia

15.9340, 16.4310, 19.7844

Deuteranopia

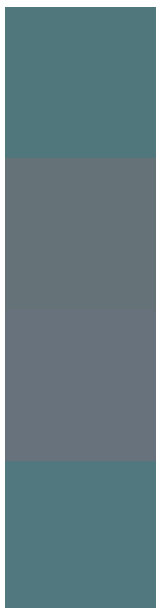
16.8130, 16.5098, 22.0392



Tritanopia

13.9526, 16.5280, 23.2237

Trichromacy



Original Color

13.6628, 16.5937, 21.5516

Protanomaly

14.9488, 16.4086, 20.4685

Deuteranomaly

15.4279, 16.4584, 21.7657

Tritanomaly

13.8209, 16.4753, 22.5303

Monochromacy



Original Color

13.6628, 16.5937, 21.5516

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8684, 15.3999, 18.1611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6628, 16.5937, 21.5516 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(80, 120, 124) looks like.

```
.text, #text, p{  
  color:rgb(80, 120, 124)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(80, 120, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 120, 124) }
```

Border

The CSS property to change the border of an element to XYZ 13.6628, 16.5937, 21.5516 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(80, 120, 124) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(80, 120, 124) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(80, 120, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 120, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 120, 124);  
box-shadow:4px 4px 4px 4px rgb(80, 120,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6628, 16.5937, 21.5516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 120, 124) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(80, 120,  
124) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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